

VORONTSOV, D.S.

Effect of strychnine, gamma-aminobutyric acid, acetylcholine
and quinine on the development of physical electrotonus in
nerves. Fiziol.zh. SSSR Sechenov 49 no.6:677-684 '63
(MIRA 17:1)

1. From the A.A.Bogomolets Physiological Institute, Kiev.

L 34737-66 EWT(m)/EWP(t)/ETI LIP(c) JD/JG
ACC NR: AP6025123 SOURCE CODE: UR/0239/66/052/001/0022/0028

AUTHOR: Vorontsov, D. S.

ORG: Institute of Physiology, AN UkrSSR, Kiev (Institut fiziologii AN UkrSSR)

TITLE: Effect of cations of alkaline and alkaline-earth metals on the physical electrotonus of the denuded nerve of a frog

SOURCE: Fiziologicheskii zhurnal SSSR, v. 52, no. 1, 1966, 22-28

TOPIC TAGS: alkali metal, rare earth, ion concentration, biochemistry, animal physiology, neurology, neuron

ABSTRACT: The effect of alkaline and alkaline-earth metals and their salts on the permeability of a denuded nerve of a frog was studied. The denuded nerve in most of the experiments was placed into a plexiglass five mm wide, and two cm long. Two electrodes (silver chloride spirals) covered with a layer of agar dissolved in hot Ringer's solution were also placed into the vessel. One of the electrodes was used for the electric polarization of the nerve; the other for the derivation of potentials from the nerve in the vessel. The experiments began with the recording of the physical electrotonus induced by various intensities of the polarizing current in the nerve saturated with Ringer's solution or a physiological solution of NaCl. No difference in the physical electrotonus values could be found when either of the solutions

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Card 1/2

L 34737-66

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was used, and therefore the ions Na and Cl in concentrations of 0.1 M were accepted as those which indicate the normal permeability of the nerve fibers. The solutions were then replaced by solutions of alkaline elements. It was found that the ion K increases the permeability of the nerve fiber membrane; it also tends to increase permeability for the Na ion; ions Rb and Cs like that of K also increase the permeability of the nerve fiber's membrane. It was also established that in hydrated state rubidium depresses anelectrotonus, and Cs intensifies both - the an - and catelectrotonus; the cations of the alkaline-earth metals all intensify the catelectrotonus, with barium having the strongest effect and magnesium the weakest. All of the cations of the alkaline-earth metals with exception of Mg increase anelectrotonus.

Orig. art. has: 5 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 28Nov64

LS

Card 2/2

VORONTSOV, D.S.

Phogoplastic membrane of muscle fibers as an active apparatus
of the cell. Fiziol.zhur. [Ukr.] 10 no.4:439-447 J1-Ag '64.
(MIRA 18:11)

1. Laboratoriya elektrofiziologii Instituta fiziologii im. A.A.
Bogomol'tsa AN UkrSSR, Kiyev.

VORONTSOV, D.S.

N.E.Vvdenskii's role in the development of scientific physiology; on the 110th anniversary of his birth. Fiziol. zhur [Ukr.] 8 no.4:423-432 J1-Ag '62.
(MIRA 18:4)

1. Institut fiziologii im. Bogomol'tsa AN Ukr-SSR, Kiyev.

VORONTSOV, D.S.

Physical electrotonus of the nerve of Anodonta. Fiziol. zhur.
50 no.5:521-530 My '64. (MIRA 18:2)

1. Institut fiziologii AN UkrSSR, Kiyev.

LEONT'YEVA, A.A., kand.med.nauk; VORONTSOV, D.V., nauchnyy sotrudnik

Treatment of hemangiomas of the skin with radioactive phosphorus.
Vest.rent.1 rad. 34 no.5:83-86 S-O '59. (MIRA 13:3)

1. Iz Gor'kovskogo nauchno-issledovatel'skogo instituta t avmatologii
i ortopedii (dir. - dots. M.G. Grigor'yev).
(SKIN neoplasms)
(HEMANGIOMA radiotherapy)
(PHOSPHORUS radioactive)

ALEKSEYEV, A.Ye.; VORONTSOV, D.Y.; LEONT'YEVA, A.A.; TELESHEVA, N.I.;
SHATUNOVSKAYA, Ye.G.

Problem of the permeability (resorption) of the capillaries in
transplanted skin under experimental and clinical conditions.
Ortop., travm. i protez. 20 no. 11: 36-42 N '59. (MIRA 13:4)

1. Iz Gor'kovskogo nauchno-issledovatel'skogo instituta travmatologii
i ortopedii (direktor - dotsent M.G. Grigor'yev).
(SKIN TRANSPLANTATION exper.)
(CAPILLARY PERMEABILITY)

VORONTSOV, D. V. Cand Med Sci -- (diss) "Free transplantation of skin in
Cases of large vascular and pigmentary facial spots." Gor'kiy, 1958. 13 pp
(Gor'kiy State Med Inst im S. M. Kirov), 200 copies (KL, 52-58, 106)

-12-

VORONTSEV, E.E.

✓ Connection between the optimum time of applying pressure to cement mixes and their setting time. A. G. Bunakov, R. B. Vasutsky, and O. P. Mehedkov-Petrosyan. *Soviet. Prom.* 31, No. 2, 43(1956). - For 1:2 to 1:6 mixes under pressures of 2 to 60 kg /sq. cm, a max. increase in the cement strength is produced when the pressure is applied at a time approx. half way between the beginning and the end of setting. I. D. Gat

(3)

VORONTSOV, E.G., YESIN, OA.,
~~SECRET~~

" Diffusion of Elements in Molten Slags,"
lecture given at the Fourth Conference on Steelmaking, AA. Baikov Institute of
Metallurgy, Moscow, July 1 - 6, 1957

Vorontsov, E. I.

USSR/Physics - Spectral analysis

Card 1/1/ Pub. 43 - 28/97

Authors : Vorontsov, E. I.

Title : Quantitative spectral analysis during the excitation of a spectrum with a strong impulse discharge

Periodical : Izv. AN SSSR, Ser. fiz. 18/2, page 262, Mar-Apr 1954

Abstract : Three systems for the generation of strong impulses, necessary for the excitation of a spectrum, are briefly outlined. A study of the excitation sources showed that the phenomenon of spontaneous discharge displacement (wandering) affects the intensity of the spectrum and its reproducibility. The nature of the discharge wandering depends upon the treatment of surfaces of the sample and upon the presence of third components. In order to eliminate this phenomenon it is suggested to glue an insulation disc to the surface of the sample. The disc must be provided with a special aperture for the focusing of the discharge. It was established that impulse localized discharges stabilize the absolute and relative spectral line intensities and also eliminates the effect of third components.

Institution :

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F. F. VORONTSCV

USSR/Electricity - Distributions Systems

Dec 52

"Basic Elements in the Construction of Circuits for City Electric Power Networks," Sr. Tech Sci, A. A. Glazunov, Cand Tech Sci, I. S. Beasmertnyy, and Engr F. F. Vorontsov, Moscow

"Elektrichestvo" No 12, pp 3-8

Examines modern circuits for low-voltage city power networks, giving eng characteristics and proposing classification and designations. Shows that automatized, duplicate-service, high-voltage network with open-circuit low-voltage network costs 20-25% more in capital and operating expenditures than closed networks. Article is intended to stimulate discussion in connection with revision of "Instructions on Planning City Electric Power Networks". Submitted 19 Jun 52.

PA 242T21

VORONTSOV, F. F., (Engr)

Dissertation: "Method of Investigation and Selection of Circuits of City Electric Networks for Newly Constructed Areas." Cand Tech Sci, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, 4 Jun 54. Vechernyaya Moskva, Moscow, 26 May 54.

SO: SUM 284, 26 Nov 1954

ZHUXOV, Aleksandr Konstantinovich; VORONTSOV, F.F., redaktor; LARIONOV,
G.Ye., tekhnicheskiy redaktor.

[Installation of secondary commutation] Montazh vtorichnoi kom-
mutatsii. Moskva, Gos. energ. izd-vo, 1954. 183 p. (MLEA 7:12)
Commutation (Electricity)

KONDAKHCHAN, Vaag Saakovich; VORONTSOV, F.F., redaktor; FRIDKIN, A.M.,
tekhnicheskiiy redaktor

[Manual for the electrician on duty assigned to servicing the
electric power station] Rukovodstvo dlia dezhurnogo elektromontera
sobstvennykh nuzhd elektrostantsii. Iss. 3-e, izmenennoe i dop.
Moskva, Gos. energeticheskoe izd-vo, 1954. 198 p. (MIRA 8:4)
(Electric power stations)

GLAZUNOV, A.A., professor; VORONTSOV, F.F., redaktor; FRIDKIN, A.M.,
tekhnicheskiiy redaktor

[Electric networks and systems] Elektricheskie seti i sistemy.
Izd. 3., perer. Moskva, Gos. energ. izd-vo, 1954. 574 p. (MLRA 7:8)
(Electric networks)

VORONTSOV, F.F.

FEDOROV, A.A., redaktor; KUZNETSOV, P.V., redaktor; VORONTSOV, F.F., redaktor; SAPAROVA, A.L., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[Reference book for the electrician in industrial plants] Spravochnik elektriika promyshlennykh predpriiatii. Pod obshchei red. A.A.Fedorova i P.V.Kuznetsova. Moskva, Gos. energ. izd-vo, 1954. 1040 p.
(Electric engineering) (MLRA 7:10)

LIKHACHEV, Fedor Andreyevich; VORONTSOV, F.F., redaktor; SKVORTSOV, I.M.,
tekhnicheskiiy redaktor

[Choice, installation, and operation of arc-extinguishing apparatus]
Vybor, ustanovka i ekspluatatsiya dugogasiashchikh apparatov. Moskva,
Gos. energ. izd-vo, 1955. 143 p. (MLRA 8:3)
(Electric arc) (Electric lines)

SHCHEDRIN, Nikolay Nikolayevich; UL'YANOV, Sergey Aleksandrovich;
VORONTSOV, P.F., redaktor; VORONIN, K.P., tekhnicheskii redaktor.

[Problems on the calculation of short circuits] Zadachi po raschetu
korotkikh zamykanii. Moskva, Gos. energ.izd-vo, 1955. 230 p.
(Short circuits) (MLRA 8:4)

MIKHAYLOV, Vasil'y Vasil'yevich; VORONTSOV, P.F., redaktor; SKVORTSOV
I.M., tekhnicheskiy redaktor, ~~redaktor~~

[Calculation and design of high-voltage equipment] Raschet i
konstruirovaniye vysokovol'tnoi apparatury. Izd. 2-e, dop. Moskva,
Gos. energ. izd-vo, 1955. 272 p. (MLRA 8:10)
(Electric apparatus and appliances)

SOKOLOV, Mikhail Mikhaylovich; BORISOV, Yu.M., redaktor; VORONTSOV,
P.P., redaktor; VORONIN, K.P., tekhnicheskly redaktor.

[Electric drive and electric power supply of industrial enter-
prises] Elektroprivod i elektrosnabzhenie promyshlennykh
predpriyatii. Moskva, Gos.energ. izd-vo, 1955. 352 p.(MLRA 8:12)
(Electric power)

Subject : USSR/Electricity AID P - 2940

Card 1/2 Pub. 27 - 5/15

Authors : Glazunov, A. A., Doc. of Tech. Sci., F. F. Vorontsov,
and L. A. Soldatkina, Kands. of Tech. Sci.

Title : An efficient design of low-voltage network in large
cities

Periodical : Elektrichestvo, 8, 33-38, Ag 1955

Abstract : The Chair of Electric Networks and Systems of the
Moscow Power Engineering Institute made a technical
and economic comparative study of various types of
220/127- and 380/220-v secondary mains in large
towns having houses from 5 to 8 and from 8 to 14
stories high. It was found more efficient to use
loop type 220/127-v secondary bank arrangements.
Investments are in practice identical at both vol-
tages but operational charges at 380/220 v increase
by 50 to 60%, while additional outlays for copper

Elektrichestvo, 8, 33-38, Ag 1955

AID P - 2940

Card 2/2 Pub. 27 - 5/15

made for the 220/127 v network pay for themselves in
from 2-3 to 5-8 years. Three tables of economic
indexes, 7 diagrams, 2 Soviet references (1952, 1953).

Institution : Moscow Power Engineering Institute im Molotov

Submitted : Ap 6, 1955

VORONTSOV, Fedor Fedorovich; MAYTEL'D, M.P., redaktor; SKVORTSOV, I.M.,
tekhnicheskiy redaktor

[Selecting the proper gage of wire and cable for electric wiring]
Vybor sechenii provodov i kabelei dlia elektroprovodok. Izd. 3-e,
perer. i dop. Moskva, Gos. energ. izd-vo, 1956. 110 p. (MIRA 9:12)
(Electric wiring) (Electric cables)

NAYFEL'D, Mark Romanovich; VORONTSOV, F.F., redaktor; FRIDKIN, A.M.,
tekhnicheskii redaktor

[Protective grounding in electric engineering establishments]
Zashchitnye zazemleniia v elektrotekhnicheskikh ustanovkakh.
Moskva, Gos. energ. izd-vo, 1956. 159 p. (MLRA 9:9)
(Electric currents--Grounding)

VORONTSOV, P.F., kandidat tekhnicheskikh nauk.

Calculation of reactance in connection with selecting conductor
cross sections in low-voltage power systems. Prom.energ. 11 no.6:
32-33 Je '56. (Electric conductors) (MLRA 9:9)

VORONTSOV, F.F., kand.tekhn.nauk, dotsent

Use of linear programming techniques in graduation projects on electrical systems. Izv. vys. ucheb. zav.; energ. 6 no.12:19-26 D '63.
(MIRA 17:1)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut. Predstavlena kafedroy elektricheskikh stantsiy, setey i sistem.

BESSMERTNYY, Isaak Semenovich; VORONTSOV, E.F., red.; TIKHONOVA, I.A.,
red. izd-va; SALAZKOV, N.P., tekhn. red.

[Schematics of municipal electric power distribution networks]
Skhemy gorodskikh elektricheskikh setei; posobie dlia proekti-
rovaniia gorodskikh elektricheskikh setei pri ikh avtomatiza-
tsii. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 202 p.
(MIRA 16:10)

(Electric networks) (Electric power distribution)

VORONTSOV, Fodor Fodorovich; NAYFEL'D, M.R., retsontent;
BRANDENBURGSKAYA, E.Ya., red.; YEMZHIN, V.V., tekhn. red.

[Selection of wire and cable sizes for electrical wiring
operations] Vybór sechenii provodov i kabelei dlia elektro-
provodok. Im.4., perer. Moskva, Gosenergoizdat, 1962. 95 p.
(MIRA 15:11)

(Electric wiring)

KARPOV, Fedor Fedorovich; KOZLOV, Valer'yan Nikolayevich; VORONTSOV,
F.F., red.; BORUNOV, N.I., tekhn. red.

[Designer's handbook on wires and cables] Spravochnik po ras-
chetu provodov i kabelei. Moskva, Gos.energ.izd-vo, 1962. 176 p.
(MIRA 15:8)

(Electric power distribution--Handbooks, manuals, etc.)

(Electric cables--Handbooks, manuals, etc.)

(Electric lines--Handbooks, manuals, etc.)

VORONTSOV, F.F., dotsent, kand. tekhn. nauk

In reference to B.L. Aizenberg and IU. L. Bobenko's article
"Selectivity of PK safety fuses and current-overload relays,"
Izv. vys. ucheb. zav.; energ. 2 no.10:114 0 '59. (MIRA 13:3)

1. Vsesoyuznyy zaachnyy politekhnicheskii institut.
(Electric fuses) (Aizenberg, B.L.)
(Bobenko, IU.L.)

GOGICHAISHVILI, Pavel Filippovich; VORONTSOV, F.F., red.; YAROSHEVSKIY,
V.M., red.izd-vs; RAKITIN, I.T., tekhn.red.

[Capacitor apparatus in systems of relay protection and
automatic control] Kondensatornye ustroistva v skhemakh
releinoi zashchity i avtomatiki. Moskva, Izd-vo M-va
kommun.khoz. RSFSR, 1959. 116 p. (MIRA 12:6)
(Electric power distribution) (Automatic control)
(Electric capacitors)

BERNARD, V.V., kand.sel'skokhozyaystvennykh nauk; VORONKOVA, Ye.A.

Multiplication of azotobacter and fixation of nitrogen in the presence of organic fertilizers and other sources of organic matter. Agrobiologiya no.1:103-108 Ja-F '60. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya, Moskva.
(Azotobacter) . (Nitrogen--Fixation)

GLANTS, Yu.A., inzh.; FINGER, L.M., inzh.; NIKOGOSOV, S.N., kand. tekhn. nauk (Leningrad); MEDVEDSKIY, N.I., inzh. (Leningrad); VOLOTSKOY, N.V., kand. tekhn. nauk; BESSMERTNYI, I.S., kand. tekhn. nauk (Moskva); VORONTSOV, F.F., kand. tekhn. nauk (Moskva).

Urgent problems relative to the theory of urban power networks.
Elektrichestvo no.12:73-78 D '56. (MIRA 11:3)

1. Khar'kovskoye otdeleniy Teploelektroproyekta (for Glants).
 2. Giprokommunenergo (for Finger).
 3. Lengiprogor (for Medvedskiy).
 4. Lenproyekt (for Volotskoy).
- (Electric networks) (Electric power distribution)

GAM, Viktor Nikolayevich,; VORONTSOV, F.F., red.; SAVEL'YEV, V.I., red.;
VORONIN, K.P., tekhn. red.

[Economics and organization of production in the electric equipment
industry] Ekonomika i organizatsiya proizvodstva v elektrotekhnicheskoi
promyshlennosti. Iss. 2., perer. Moskva, Gos. energ. izd-vo, 1958. 485 p.
(MIRA 11:11)

(Electric machinery industry)

VANOSKIY, P. YA., VORONTSOV, F. K.

Germination

Accelerated stratification of tree seeds, Les.
khodz., 5 no. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~XXXX~~ 1953, Uncl.

RUKHMAN, L.Ye., doktor meditsinskikh nauk; KOSTYLEVA, L.A., kandidat
meditsinskikh nauk, VORONTSOV, F.S., inzhener

Forearm prosthesis for children. Ortop., travm. i protes. 17 no.2:
46-48 Mr.-Ap '56. (MLRA 9:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta proteziro-
vaniya (dir. - prof. F.A.Kopylov)
(ARTIFICIAL LIMB
forearm for child. (Rus))

VORONTSOV, F.S., kand. tekhn. nauk; KOSTYLEVA, L.A., kand. med. nauk

Prosthesis for children after amputation of the humerus. Ortop.
travm. i protez. 20 no.1:19-22 Ja '59. (MIRA 12:3)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta protezi-
rovaniya (dir. - prof. F.A. Kopylov).

(AMPUTATION
shoulder in child., prosth. (Rus))

(SHOULDER, surg.
amputation in child., prosth. (Rus))

VORONTSOV, F.S., inzhener; PEVZNER, M.S., doktor meditsinskikh nauk

Improved shoulder prosthesis. Ortop., travm. i protez. 17 no.1:
45-47 Ja-F '56. (MIRA 9:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta
protezirovaniya (dir. - prof. F.A.Kopylov)

(SHOULDER
prosthesis)
(PROSTHESIS
shoulder)

VORONTSOV, G., inzh.; SHTEYN, A., inzh.

"El'fe-17" and "Gintaras." Radio no.6:29-32 Je '61. (MIRA 14:10)
(Magnetic recorders and recording)

LEVITIN, B.S.; VORONTSOV, G.A.; IL'YASEVICH, S.A., doktor tekhn.
nauk, prof., retsenzent

[Use of aluminum alloys in crane metal structures] Pri-
menenie aliuminievykh splavov v kranovykh metallok-
struktsiakh. Moskva, Mashinostroenie, 1964. 191 p.
(MIRA 17:7)

S/137/61/000/006/060/092
AOC6/A101

AUTHORS: Vorontsov, G.A., Baraboshkin, V.V.

TITLE: Aluminum alloys for crane metal structures

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 6, 1961, 41, abstract 6E282
("Tr. Vses. n.-i. in-ta pod'yemnostransp. mashinostr.", 1960, no. 3, 125 - 218)

TEXT: The authors present characteristics of main domestic Al alloys for welded and riveted structures and analyze problems of planning, production technology and economy. The total labor consumption of manufacturing 1 ton Al-structures is by 2.15 times higher, and the cost by 3.25 times higher than corresponding data for steel structures, although for Al structures mainly semi-automatic arc welding and for steel structures manual welding is employed. The ratio of the total cost of an Al crane to that of a steel crane is 1.11. It is noted that the planning of Al cranes should be made by taking into account reduced Al costs. The authors present recommendations as to the selection of equipment and conditions of arc-cutting of Al and its alloys. The selection of conditions, preparations

Card 1/2

Aluminum alloys for crane metal structure

S/137/51/000/006/060/092
A006/A101

tion of edges and equipment for argon-arc welding is discussed in detail. Tables and schematic drawings are given. The information includes recommendations on resistance and $C_2H_2-O_2$ welding and data on the absolute and relative strength of welded joints.

Ye. Terpugov

[Abstracter's note: Complete translation]

Card 2/2

Vorontsov, G. B.

124-11-13126

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr. 11, p. 123 (USSR)

AUTHOR: Vorontsov, G. B.

TITLE: Determination of the Principal Free Vibrational Frequencies of Beam Carrying Concentrated Masses, Utilizing the Method of Successive Approximations. (Opredeleniye pervykh chastot svobodnykh kolebaniy balok, nesushchikh sosredotochenyye massy, metodom posledovatel'nykh priblizheniy)

PERIODICAL: Tr. Novocherkassk. politekhn. in-ta, 1956, Nr. 33/47, pp 133-147

ABSTRACT: Investigated are the free vibrations of beams having a distributed mass of their own and carrying concentrated masses. Systems of equations, from which the free vibrational frequency is obtained by the method of determinants, are transformed into equations for the determination of the critical loadings of compressed beams having rigid or elastic supports at intervals, and also of beams lying on an elastic base.

A method of successive approximations is proposed for the determination of the free vibrational frequencies.

A. I. Obeled'ko

Card 1/1

VORONTSOV, G.V., starshiy prepodavatel'.

Calculating the stability of complex frames by breaking them down into
simple equistable units. Nauch. trudy NPI 26:112-119 '55. (MLRA 9:12)
(Structural frames)

VORONTSOV, G.V., kandidat tekhnicheskikh nauk.

Determining the frequency of free vibrations of complex structures
by breaking the structures into series of units with equal frequencies.
(Nauch. trudy NPI 26:132-147 '55. (MLRA 9:12)

(Structures, Theory of) (Vibration)

VORONTSOV, G.V., kandidat tekhnicheskikh nauk.

Problem in investigating characteristics of Papkovich's surfaces.
Nauch.trudy NPI 29:85-101 '55. (MIRA 10:1)

1. Novocherkasskiy politekhnicheskiiy institut, Kafedra stroitel'noy
mekhaniki.

(Elasticity) (Surfaces)

VORONTSOV, G.V., kandidat tekhnicheskikh nauk.

Problems of determining the influence of specified loads on the
deformation magnitude caused by normal loads. Nauch.trudy NPI 29:103-
117 '55. (MLRA 10:1)

(Deformations (Mechanics)) (Elasticity)

VORONTSOV, G.V., dotsent, kandidat tekhnicheskikh nauk.

Using the method of series approximation in determining initial frequencies of free vibrations of beams supporting concentrated masses. Trudy NPI 33:133-147 '56. (MLRA 10:9)
(Girders--Vibration)

VORONTSOV, G.V.

Determining the bearing capacity of compression curved elastoplastic
bars. Trudy NPI 91:23-43 '60. (MIRA 14:5)
(Elastic rods and wires)

VORONTSOV, G.V.; VOROB'YEV, L.N., dots., otv. red.; VESELOVSKIY, G.V., dots., red.; ZARIF'YAN, A.Z., starshiy prepodavatel', red.; NAUMOVA, Yu.A., tekhn. red.

[Numerical solution of problems in structural mechanics for rods by the mixed matrix method] Chislennoe reshenie zadach stroitel'noi mekhaniki sterzhnei po matrichnomu smeshannomu metodu. Novocherkassk, Redaktsionno-izdatel'skiy otdel NPI, 1962. 96 p. (MIRA 16:2)
(Elastic rods and wires) (Matrices)

VORONTSOV, G.V.

Calculation of beams for forced vibration by the method of mixed
matrices. Trudy NPI 136:23-32 '63. (MIRA 16:10)

(Beams and girders--Vibration)

VORONTSOV, G.V.

Application of the method of mixed matrices to the calculation
of elastic compressed and bent bars. Trudy NPI 136:11-21 '63.
(MIRA 16:10)

(Elastic rods and wires)

VORONTSOV, G. V. (Novocherkassk)

"On the consideration of forces of resistance in the problems of
free and forced vibrations of structures"

report presented at the 2nd All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 29 Jan - 5 Feb 1964.

VORONTSOV, Georgiy Vasil'yevich, dots., kand. tekhn. nauk;
VESELOVSKIY, G.V., dots., red.; ZARIF'YAN, A.Z., dots.,
red.; DUROV, I.S., dots., red.

[Free and forced vibrations of rods and frames] Svobodnye
i vynuzhdennye kolebaniya sterzhnei i ram. Novochoerkassk,
Redaktsionno-izdatel'skii otdel NPI, 1963. 11 p.
(MIRA 17:1)

1. Novochoerkassk. Politekhnikheskiy institut.

VORONTSOV, G.V. (Novocherkassk); MAKSIMENKO, V.I. (Novocherkassk)

Stability and steady strength of symmetric thin-walled
three-dimensionally loaded rods. Prikl. mekh. 1 no.12:
50-56 '65. (MIRA 19:1)

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SUB CODE: MB, HA

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V. A. P. K. T. S. O. V. , 11/4 A .

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Inst : Zaporozh'ye Institute for Advanced Training of Physicians

Title : Experience in the Application of Laminaria Saccharina in Oncological Practice

Orig Pub: Tr. Zaporozhsk. in-ta usoversh. vrachey, 1957, 1, 27-31

Abstract: Laminaria saccharina (LS) is extensively applied in China and Japan as a valuable foodstuff and therapeutic agent. The powder of LS was used on 500 patients suffering from tumors of various localization, as an additional means to other necessary

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(INFANTS (NEWBORN) -- DISEASES)

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Possibility of a partial restoration of specific toxicity in
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no.1:27-39 '63. (MIRA 18:8)

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(CLOSTRIDIUM BOTULINUM) (TOXINS AND ANTITOXINS)

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Fermentation as a method for the purification of antigen in the preparation of purified concentrated botulin anatoxins using new techniques. Vak. 1 yv. no. 121-26 1963.

(MIRA 18:8)

(A) L 8829-66 EWT(1)/EWA(1)/EWA(b)-2 JK	
ACC NR: AT5027529	SOURCE CODE: UR/0000/63/000/000/0021/0026
AUTHOR: Vorontsov, I. V.; Vasil'yev, N. N. 35 B+/	
ORG: None	
TITLE: Fermentation as a method of purifying the antigen in producing purified concentrated botulinum anatoxins by new technology	
SOURCE: Moscow. Nauchno-issledovatel'skiy institut vaktsin i syvorotok. Vaktsiny i syvorotki; materialy po proizvodstvu, no. 1, 1963, 21-26 6,445	
TOPIC TAGS: clostridium, botulism, antigen, chemical purity, solution concentration, enzyme, fermentation, protein	
ABSTRACT: Cl. botulinum toxin types A and B have been successfully purified and concentrated by an "autofermentation" process. During the growth of Cl. botulinum cultures types A and B, large amounts of proteinase are liberated into the surrounding medium and the amount of protein nitrogen is reduced, thereby increasing the specific activity of the culture fluid. However, the problem of purification is considerably more difficult in the case of Cl. botulinum culture types D and E which do not liberate appreciable amounts of proteinase into the surrounding medium. Fermentation methods using trypsin or Cl.	
Card 1/2	

L 8829-66

ACC NR: AT5027529

sporogenes proteinase for purification and concentration of the D and E type antigens of highly acceptable quality are described in detail. Orig. art. has: 2 tables.

SUB CODE: 06, 07/ SUBM DATE: 31Aug63/ ORIG REF: 005/ OTH REF: 003

PC

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(Transportation, Automotive)

FILES : BOX 07/01/08-210

507/2106

Keywords: *Neurodivergent*; *transgender*; *sexual identity*; *well-being*

Additional Supporting Documents: Rembrandt Museum Ltd, 107, Little Street, London
E.C. 4, England.

[illegible]

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CONTENTS: The book deals with trends in the development of basic problems of *thermodynamics*. Exciting measuring equipment in the tests and other sections is discussed. Gas analysis and utilization is shown in the use of conventional and automatic measuring devices are outlined. Emphasis is given to methods and equipment for feedback and mechanical control and control of the pressure and reaction processes of parts. By personal files as medical. Statements accompany several of the articles.

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Seegal, M. T., Candidate of Technical Sciences. On the Use of
Combined File

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Yagar'yer, O. Ia., Engineer. Checked of Parts With Double Culture 211

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